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SOURCE Newspapers as indicated.

PENICILLIN ON OPEN SALE;
NEW INSTRUMENT MEASURES SUN SPOTS

DOCTOR'S PRESCRIPTION NECESSARY -- Sovetskaya Litva, No 275, 23 Nov 49

Penicillin is now available in unlimited quantities in all drugstores of Lithuanian SSR. A doctor's prescription is necessary. -- Advertisement

DESIGNS HELIOGRAPH -- Pravda Ukrainy, No 246, 18 Oct 49

D. D. Maksutov, corresponding member of the Academy of Sciences USSR, has designed a heliograph, an original instrument for photographing the sun. The first model has been successfully used at the Pulkovskaya Observatory in the Caucasus. This apparatus measures with precision the size of sun spots and "faculae."

FERTILIZER PLANT WINS ALL-UNION AWARD -- Pravda Vostoka, No 221, 7 Nov 49

The Chirchik Electrochemical Combine has taken an active part in the program to further cotton-raising in Uzbek SSR. It has produced thousands of tons of nitrogen fertilizers above its quota. For its brilliant performance during the third quarter of 1949 it is awarded first place in all-union competition and given the transferable red banner of the VTsSPS and the Ministry of Chemical Industry USSR. Production of nitrogen fertilizers is up 33 percent over the same period of 1948.

NEW DRUM MAKES ANY SIZE DRIVE BELT -- Leningradskaya Pravda, No 275, 23 Nov 49

V-shaped drive belts are built up from various layers of material on a so-called "piecing drum." For belts of different sizes there must be drums of the corresponding diameter. Workers ordinarily have to change these drums, which weigh up to 200 kilograms each, by hand. The removable V-shaped inserts in the drums also had to be changed by hand. These operations represent more than a full time job for two men.

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Recently the experimental shop of the Rubber Technical Products Plant came out with an all-purpose pneumatic piecing drum. The drum is adaptable to making any size belt. Changes in diameter are accomplished by a pneumatic control mechanism.

BUILDS AUTOMATIC PHOTOENGRAVING MACHINE -- Pravda, No 299, 26 Oct 49

The Moscow Aviation Technology Institute has produced an automatic photoengraving machine which can produce engraving plates at a rate of 6-10 minutes per plate, or 15-20 times faster than the present chemical method. It does away with the need for numerous chemical reagents and various types of equipment, such as reproducing apparatus.

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